

Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

H3K27me3-human,H3K27me3-mouse

RRID:AB_310624

Type: Antibody

Proper Citation

Millipore Cat# 07-449, RRID:AB_310624

Antibody Information

URL: http://antibodyregistry.org/AB_310624

Proper Citation: Millipore Cat# 07-449, RRID:AB_310624

Target Antigen: H3K27me3

Host Organism: rabbit

Clonality: polyclonal

Comments: ENCODE PROJECT External validation for lot# DAM1387952 is available under ENCODE ID: ENCAB000ANB

Antibody Name: H3K27me3-human,H3K27me3-mouse

Description: This polyclonal targets H3K27me3

Target Organism: homo sapiens, mus musculus

Antibody ID: AB_310624

Vendor: Millipore

Catalog Number: 07-449

Alternative Catalog Numbers: ENCAB000ANB

Record Creation Time: 20250819T212139+0000

Record Last Update: 20250819T224212+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: Unknown is available under ENCODE ID: ENCAB000AUP - ENCODE
<https://www.encodeproject.org/antibodies/ENCAB000AUP>

No alerts have been found for H3K27me3-human,H3K27me3-mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 238 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Zhou Y, et al. (2026) ERK1/2 function as a central hub safeguarding primed human embryonic stem cell identity via multifaceted regulatory networks. Cell reports, 45(7), 117675.

Etoh K, et al. (2026) FOXF1/2 establish a senescence-specific enhancer landscape to activate the pro-inflammatory senescence-associated secretory phenotype. Molecular cell, 86(8), 1441.

Rouco R, et al. (2026) Temporal constraints on enhancer usage shape the regulation of limb gene transcription. Nature communications, 17(1), 5.

Chen H, et al. (2026) Genome-wide rotational and translational phasing of nucleosomes with human transcription factors. Molecular cell, 86(14), 2722.

Zhang MS, et al. (2026) BCAT1-dependent HIF-1 α stabilization is a targetable metabolic vulnerability in hepatocellular carcinoma. Cell reports. Medicine, 7(5), 102784.

Caire R, et al. (2026) A 3D morphogenetic blueprint for metastatic outgrowth in breast cancer. Cell, 189(12), 3701.

Koulle A, et al. (2026) The chromatin remodeller CHD4 regulates transcription factor binding to both prevent activation of silent enhancers and maintain active regulatory elements. eLife, 14.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. Cancer research, 85(1), 32.

Cai S, et al. (2025) Methionine regulates maternal-fetal immune tolerance and endometrial receptivity by enhancing embryonic IL-5 secretion. Cell reports, 44(2), 115291.

Zhang J, et al. (2025) Thymic dendritic cell-derived IL-27p28 promotes the establishment of functional bias against IFN- γ production in newly generated CD4⁺ T cells through STAT1-related epigenetic mechanisms. eLife, 13.

Matthews RE, et al. (2025) CRAMP1 drives linker histone expression to enable Polycomb repression. *Molecular cell*, 85(13), 2503.

Zhu X, et al. (2025) Menin orchestrates macrophage reprogramming to maintain the pulmonary immune homeostasis. *Cell reports*, 44(1), 115219.

Fujii T, et al. (2025) Reconstructing epigenomic dynamics through a single-cell multi-epigenome data integration framework. *Nature communications*, 16(1), 11006.

Li J, et al. (2025) Ribosome dysregulation and intervention in age-related infertility. *Cell reports. Medicine*, 6(11), 102424.

Žukauskaitė D, et al. (2025) Evaluating endometrial response to human chorionic gonadotropin: alterations in epigenetic regulation and extracellular vesicle cargo of endometrial stromal cells. *Human reproduction open*, 2025(3), hoaf051.

Dzwigonska M, et al. (2025) Hypoxic stress dysregulates functions of glioma-associated myeloid cells through epigenomic and transcriptional programs. *Cell reports*, 44(9), 116222.

Zobel M, et al. (2025) A human CAGinSTEM platform for decoding HTT repeats' somatic instability links CAG interruption to HD pathology in neurons. *Cell reports*, 44(12), 116685.

Nakatani T, et al. (2025) RIF1 controls replication timing in early mouse embryos independently of lamina-associated nuclear organization. *Developmental cell*, 60(16), 2149.

Gasperini P, et al. (2025) Germline-somatic liaison dictates cancer subtype via de novo steroid biosynthesis. *Cancer discovery*.

Pal M, et al. (2025) The establishment of nuclear organization in mouse embryos is orchestrated by multiple epigenetic pathways. *Cell*, 188(13), 3583.